



Academisch Medisch Centrum  
Universiteit van Amsterdam

Inwendige Geneeskunde  
**Status**

Polikliniek

**Date of intake:** Febr. 27, 2012

**Intake via:** BovenIJ, dr. F. Turkstra, rheumatologist

**Doctor at intake:** Dr. J.J.Hoogerwerf

**Resident:** K. Henricks

**MRSA risk:**

**Recently arrived from hospital abroad?** Neg

**Catheter or drains in situ?** Neg

**Infected wounds?** Neg

**Known to carry MRSA?** Neg

**Land of birth:** Netherlands

**Allergies:** Neg

**Past medical history:**

From letter BovenIJ, Turkstra

Blue discolorations and dyspnea

Laboratory 12/9/11: normal platelets, PTT and apt.

Laboratory 12/22/11: Normal IgA, IgG, IgM, TSH, TgM RF anti-ccp, ANA Neg

Anti-cardiolipin IgM/IgG: neg

Anti-B2 glycoprotein1: neg.

ANCA: neg

Elisa: neg

MPO: neg

PR3: neg

Lupus: neg

Cardiac echo: normal

Urine examination: no abnormalities, no blood

Skin Biopsy neck: mild perifollicular inflammation, no vasculitis, no hematoma.

Conclusion: Not Raynaud

Not Thoracic Outlet Syndrome

Not lymphocytic vasculitis

Not pheochromocytoma

**Question posed - problem**

Blue discolorations - carcinoid?

**History**

Around the end of November first time blue discolorations in neck, face, shoulders/hands; showered, disappeared after an hour.

On Dec. 9th again attack – 2 -3 weeks later - it was more spread out that time, on chest as well. Disappeared slowly with flares in which it was worse.

Was gone for 2-3 weeks, is back for a few days: throat, underarm, hands, face (few small spots) elbow, shoulders.

Occasionally it appeared on knees, not often, not now.

Now it gets worse when showering - black.

In Dec. complaints of dyspnea, now over - walking up the stairs to 2nd floor – no problem. Dyspnea is not coincident with skin dis-coloration.

Attacks of dizziness about once a week, when at rest also, when on the bus, not swayingly dizzy but black before the eyes, feeling weak, trouble with getting off the bus, once outside it's gone. In advance of it she feels warm – no nausea, vomiting, diaphoresis, or pallor.

Occasional pain, especially in joints, also when not blue, this has gone on for a longer period. Especially knees exercising.

Since the beginning has noticed itching of the legs especially at night. Has been getting worse. Sometimes all of a sudden pain in the upper leg, especially at night. Doesn't feel like cramps.

Now tingling, painful, in hands and feet, since one month, max. one minute - no clear provoking factor.

Writing gets worse, pen drops from the hands. Able to button shirts.

Headache neg. (occasionally, not daily)

No other skin abnormalities.

Half a year back fell off horse, horse fell on her. Pain with walking. According to podiatrist, needed orthotics which helped

**Review of systems – Constitutional**

Tiredness - awakes tired, for about 5 months. Goes on for a few years already. Pfeiffer neg. (2 years back)

Night sweats neg.

Weight loss neg.

Appetite good.

**Pulmonary**

Coughing neg.

Mucus neg.

Hoarseness neg.

**GI**

Stomach ache pos., daily.

*Def:* changing, normal consistency, normal color. Two weeks ago 3 days of green stool, mucus neg. blood once, bright red about 2 months ago.

Chewing / swallowing - unremarkable

Reflux neg.

**Urogenital:**

Micturition: 10 x day (when drinking) small amounts. Often feeling of UTI but it's not that.

Blood - lightly, not very obvious, a few times.

**Endocrinology**

Thirst pos. dry mouth, especially at night, dry eyes neg., infections neg. little injuries possibly heals slower. Doesn't feel sluggish or hyper., Heat intolerance maybe., cold is not bad. Hair loss poss. 2-3 years, slowly. Menses regular

**Nervous system and senses**

Paralysis neg.

Memory

Concentration down, not new, but worse now - forgets things quicker/asks more often

**Skin**

See image

**Social History:**

Smoking: up to one pack a day, now (since sept '11) half a pack a day

Alcohol: at parties

Drugs neg.

**Medication:**

Vitamin B12 injections

Birth control pills

**Past Medical History:**

Vit B 12 deficiency

**Family**

**Parents** alive, mother asthma

**Siblings** brother

**Children** neg

**Parental/hereditary disorders**

Maternal grandparents DM and HT, grandfather aneurysm

Mother and grandmother fibromyalgia

Mother: eczema also with blue discolorations

**Social:** study, senior in mid-level high-school

Lives with boyfriend

**General impression**

not ill. Blue discoloration clearly visible.

Height 1.75 m

Weight: 70 kilos

BMI: 22.86

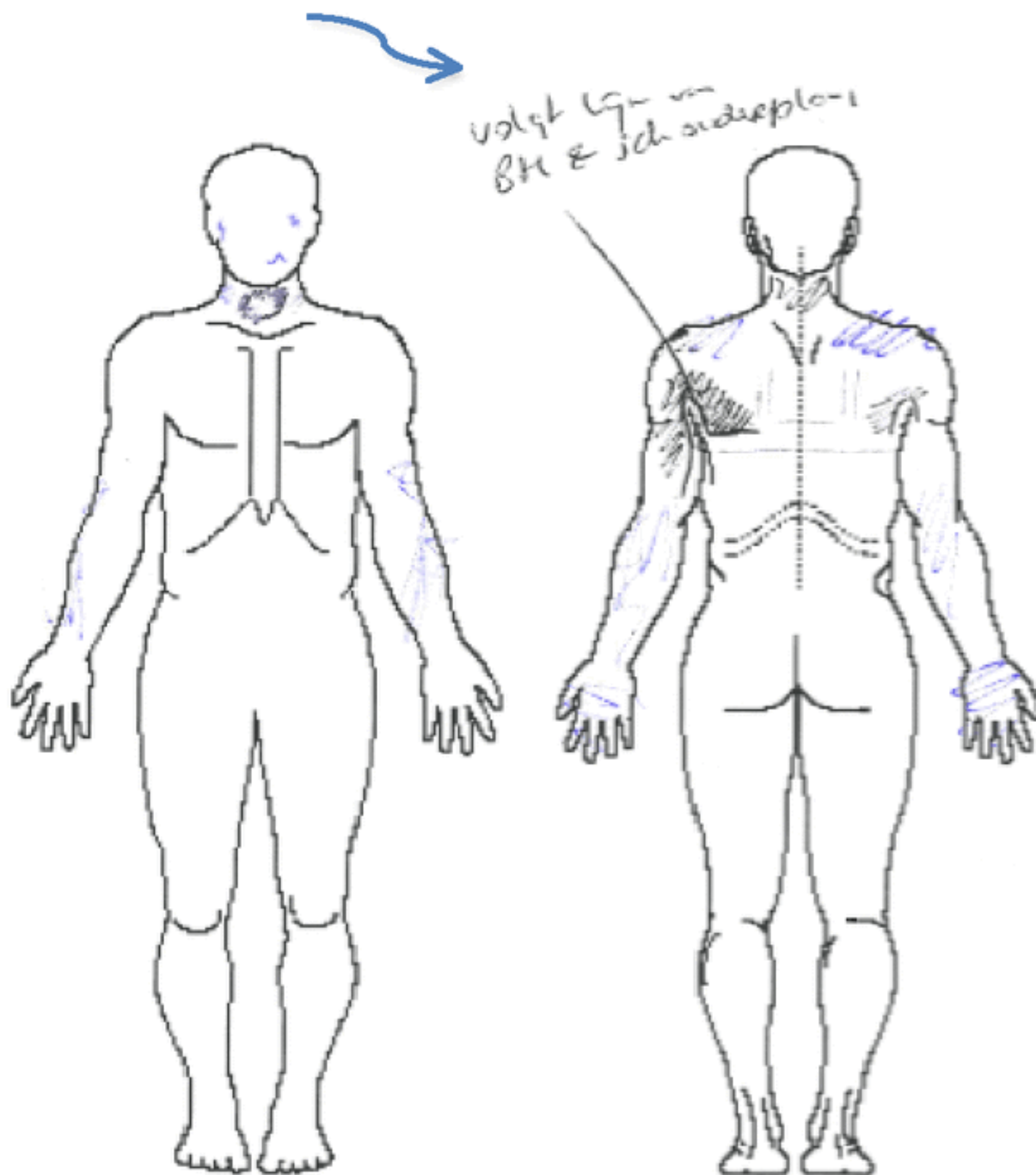
Pulse: 60 sl irregular (resp variation?)

Respiratory rate: normal

BP Left laying down 110/60

Left standing 120/70

("follows line between Bra strap and underarm")



Arteriën	pulsatie		souffles	
	Re	Li	Re	Li
temporalis				
carotis				
radialis	+	+		
femoralis	+	+		
poplitea				
fib. post.	+	+		
dors. pedis	+	+		

**head**

**mouth:** no blue mucous membrane

**teeth:** normal

**throat:** thyroid gland normal

**skin (circled):** blue-green discolorations on under both arms, left more than right, on throat and on shoulders/back. Not on legs, no blanching, no intensification.

**Skin:** Cap refill nails: 4 seconds

**Thorax:** symmetric

**Heart:** normal 1st and 2nd heart tones, no murmur, now and then an extra beat

**Lungs:** normal lung-borders, No wheezes or crackles.

**Abdomen:**

Slim, BS +

Pressure pain in epigastrio and over bladder. No pain when letting go, no resistances.

**Liver:** percussed. not enlarged, not palpable

**Spleen:** percussed. Not elarged, not palpable

**Rectal:** painful, internal hemorrhoid to be felt. No blood/mucus, brown stool

**Lymph nodes:**

Throat and groins: no swelling

**Spine:**

Form normal

Movement normal

Nontender

**Extremities:**

Arms/hands: cold fingers, cap. refill more than 2 seconds

Legs/feet: cold feet, cap. refill more than 2 seconds

**Neurological examination**

Reflexes: patellar, achilles, triceps, biceps lownormal and symmetric

**Data:**

9-12 laboratory: normal incl. Hemoglobin, white count, platelets PTT & apt

22-12 laboratory: normal, also IgA, IgM, IgG. ANA neg. ANCA neg.

echo cardiac: normal

urinalysis: twice: no abnormalities, no blood

skin biopsy neck: normal, no vasculitis or hematomas

### **Problem list with differential diagnoses**

1. blue discolorations that disappear spontaneously after 2-3 weeks and dyspnea  
dd / - peripheral cyanosis?  
  
- carcinoid?
2. dyspnea with exertion: now improved
3. Peripheral neuropathy - longstanding
4. attacks of warmth, N pos., dizziness, sweating  
cold sweat pos.

### **Assessment**

17 year-old girl with since 3 months blue discolorations of underarms/shoulders/throat.  
History of vitamin B12-deficiency.  
Had a lot of examinations which have all been normal with nothing consistent with ischemia

### **Diagnostic plan**

1. Blue discolorations skin, NO cyanosis  
DD - artefact (clothes or something similar)  
- toxic via sweat to outside - oxidation????  
- methemoglobinemia???
2. Atypical chest pain (?)
3. Dyspnea on exertion

(telephone number of mother: -----)

### **Therapeutic plan:**

Regime:

- methemoglobin - do blood work on SEH
- consult dermatology appt: 2/28/12 8:30
- Consult Occupational Health

Return to clinic 2-3 weeks

Discussed with Jan van Lieshout, attending physician